

Performance Measures Dashboard and Guidebook

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February 2019



Performance Measures

Legislative Background

- Delta Reform Act of 2009 required the Delta Plan to include performance measures (Water Code sections 85211 and 85308)
 - Quantified or otherwise measurable targets
 - Assessment methods to measure progress in meeting the objectives of the Delta Plan

Performance Measures Dashboard

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DELTA STEWARDSHIP COUNCIL
Delta Plan Performance Measures

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Delta Plan Performance Measures

Measuring progress in achieving the coequal goals of a reliable water supply for California and a healthy Delta ecosystem.

[LEARN MORE ABOUT COEQUAL GOALS AND THE DELTA PLAN](#) [▼](#) [LEARN MORE ABOUT PERFORMANCE MEASURES](#) [▼](#)



Water Supply

Urban Water Use
Alternative Water Supply
Water Supply Reliability
Agricultural Water Planning
Sustainable Groundwater
Water Exports



Water Quality

Delta Water Quality
Salinity
North Bay Aqueduct
Protect Groundwater
Dissolved Oxygen
Critical Pesticides
Inorganic Nutrients
Measurable Toxicity
Harmful Algal Blooms



Delta Ecosystem

Functional Flows: Yolo Bypass Inundation
Functional Flows: Peak Flow
Functional Flows: Recession Flow
Functional Flows: In-Delta Flow
Terrestrial and Aquatic Invasive Species



Protect People and Property

Multi-Hazard Coordination Task Force
Flood Casualties and Damages
Delta Levees
Delivery Interruptions
Sea Level Rise Planning
Flood Insurance Community Ratings



Delta as an Evolving Place

Subsidence Reversal and Carbon Sequestration
Farmland Loss
Legacy Communities
Recreation Opportunities
Delta Tourism
Delta Economy



Administrative Performance Measures

Administrative performance measures track decisions made by policymakers and managers to finalize plans or approve resources (funds, personnel, projects) for implementation of a program or group of related programs recommended by the Delta Plan.

[VISIT THE WEBSITE.](#)



Water Supply

Performance Measures for a More Reliable Water Supply for California.

EXPLORE PERFORMANCE MEASURES ▾

ABOUT WATER SUPPLY ▾

Urban Water Use

Urban water suppliers relying on water from the Delta watershed achieve their individual water efficiency targets.

Alternative Water Supply

Urban water suppliers relying on water from the Delta watershed achieve goals for water recycling, storm water capture, and use of advanced water technologies.

Water Supply Reliability

Urban water suppliers relying on water from the Delta watershed demonstrate reliability during single and multiple dry years.

Agricultural Water Planning

Agricultural water suppliers submit an Agricultural Water Management Plan (AWMP) to the Department of Water Resources (DWR).

Sustainable Groundwater

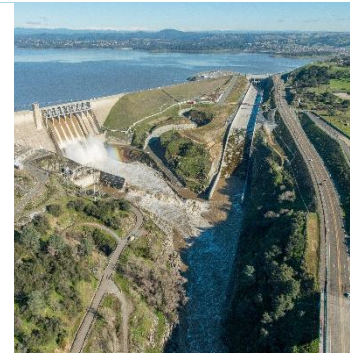
Responsible State and local agencies complete the 2014 Sustainable Groundwater Management Act (SGMA) mandates.

Water Exports

Water exports from the Delta decrease overall and during critically dry years. Water exports increase during wet years.

Water Supply Reliability

Outcome Performance Measure 3.4, Last updated: January 2019 | [About this Measure](#)



THE MEASURE

Water contractors or urban water suppliers that are within the Delta watershed, or those relying on water from the Delta watershed, demonstrate reliability during single and multiple dry years through their Urban Water Management Plans (UWMPs).

EXPECTATIONS

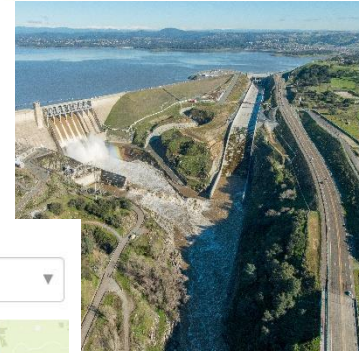
Suppliers relying on the Delta watershed should account for decreased availability in their projections during dry years and should demonstrate supply reliability through their UWMPs.

PERFORMANCE METRICS

- Percentage of Delta-reliant contractors or suppliers projecting reliability during a single dry year
- Percentage of Delta-reliant contractors or suppliers projecting reliability through three dry years

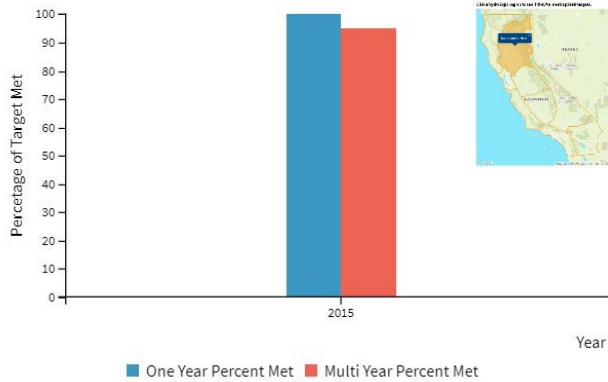
Water Supply Reliability

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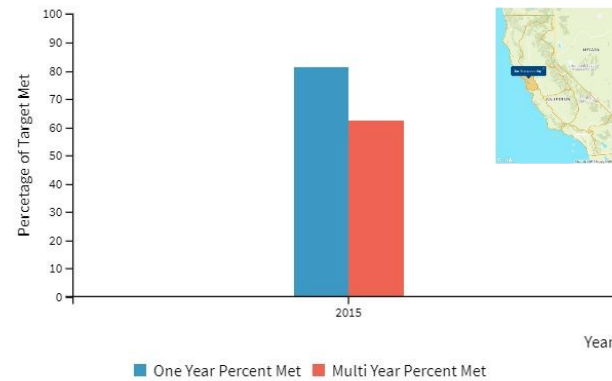
Hydrologic Region

Sacramento River



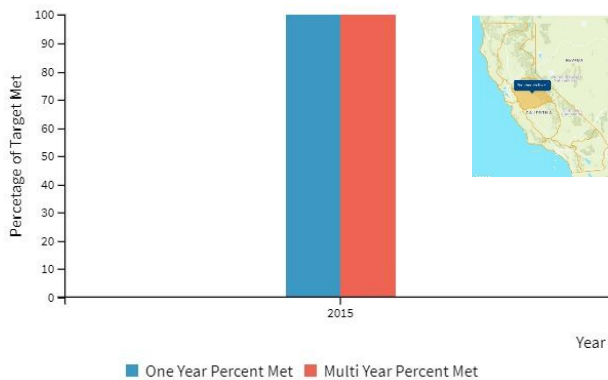
Hydrologic Region

San Francisco Bay



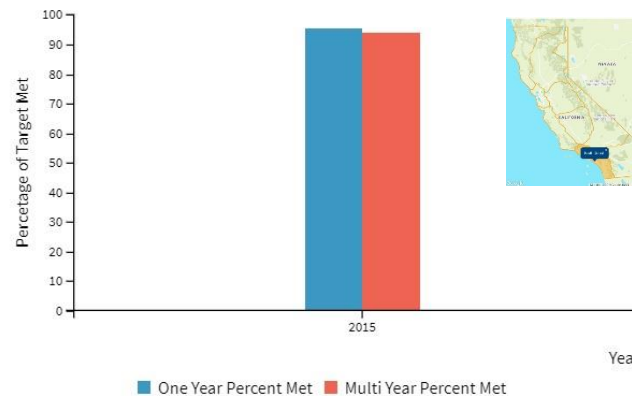
Hydrologic Region

San Joaquin River



Hydrologic Region

South Coast





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A wide-angle photograph of a delta ecosystem. In the foreground, there are dense, tall grasses and reeds. Beyond them is a body of water with several small, grassy islands or mounds. In the far distance, a line of trees and a cloudy sky are visible.

Delta Ecosystem

Performance Measures to Protect, Restore, and Enhance the Delta Ecosystem.

[EXPLORE PERFORMANCE MEASURES](#) ↗

[ABOUT DELTA ECOSYSTEM](#) ↗

Functional Flows: Yolo Bypass Inundation

Restoring to a healthier estuary using more natural functional flows - including in-Delta flows and tributary input flows - to support ecological floodplain processes: Yolo Bypass floodplain inundation.

Functional Flows: Peak Flow

Restoring to a healthier estuary using more natural functional flows - including in-Delta flows and tributary input flows - to support ecological floodplain processes: peak flows in the Sacramento River.

Functional Flows: Recession Flow

Restoring to a healthier estuary using more natural functional flows - including in-Delta flows and tributary input flows - to support ecological floodplain processes: spring gradual recession flows in the Sacramento River.

Functional Flows: In-Delta Flow

Restoring to a healthier estuary using more natural functional flows - including in-Delta flows and tributary input flows - to support ecological floodplain processes: in-Delta flow.

Terrestrial and Aquatic Invasive Species

Prevention and reduction of key invasive non-native terrestrial and aquatic species in the Delta and Suisun Marsh.

Functional Flows: Yolo Bypass Inundation

Outcome Performance Sub-Measure 4.2A, Last updated: January 2019 | [About this Measure](#)



THE MEASURE

Restoring to a healthier estuary using more natural functional flows - including in-Delta flows and tributary input flows - to support ecological floodplain processes: Yolo Bypass floodplain inundation.

EXPECTATIONS

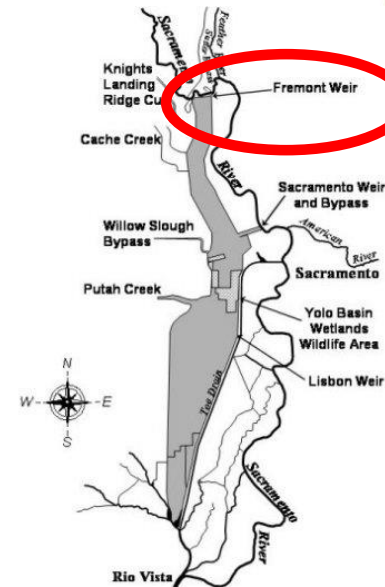
More natural functional flow patterns are restored in the Yolo Bypass floodplain to support native fish spawning, and rearing along with important ecosystem processes.

PERFORMANCE METRICS

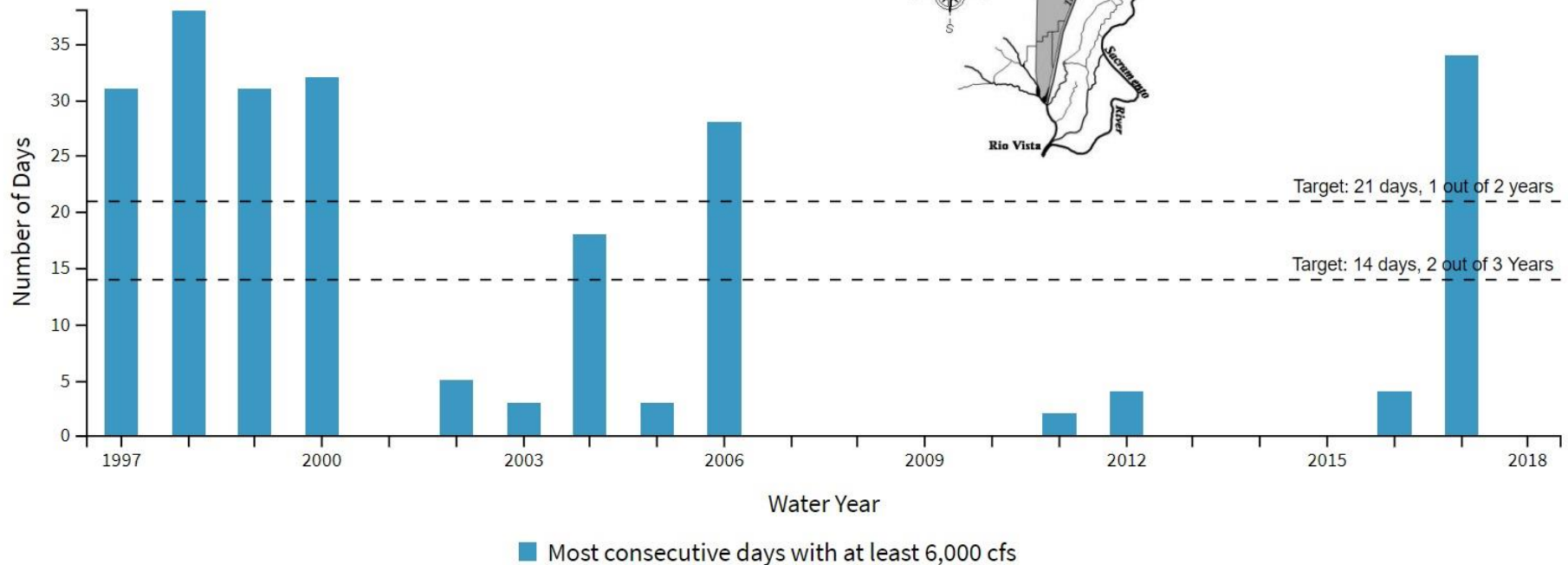
- Area and duration of inundation in the Yolo Bypass, evaluated annually on a five-year rolling basis.

Functional Flows: Yolo Bypass Inundation

Outcome Performance Sub-Measure 4.2A, Last updated: January 2019



Number of Consecutive Days with Fremont Weir Flows of at least 6,000 cfs, 1997-2018





Delta Plan Performance Measures

This website provides access to performance measures information and data.



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- Farmland Loss
- Legacy Communities
- Recreation Opportunities
- Delta Tourism
- Delta Economy



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Explore Delta Plan Performance Measures



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[Visit this website...](#)

The Coequal Goals

The Delta Stewardship Council was created in legislation to achieve the state mandated coequal goals for the Delta.

"Coequal goals" means the two goals of providing a secure reliable water supply for California and protecting, restoring, and enhancing the Delta ecosystem.

The coequal goals shall be achieved in a manner that "protects and enhances the unique cultural, recreational, natural resources, and agricultural values of the Delta as an evolving place." (S.A. Water Code §60030)

[Learn more about the coequal goals](#)

Delta Plan

The Sacramento-San Joaquin River Delta is the grand confluence of California's waters, the place where the state's largest rivers merge in a web of channels - and in a matter of geography.

The Delta is where nature's needs of a dynamic society meet the challenge with each other and with the California institutions of a natural system.

In 2009 the Legislature made the Delta Plan, model demonstrated for the first solutions, passing the Delta Reform Act and creating Delta. The Delta Plan was created.

[Learn more about the Delta Plan](#)

What are Performance Measures?

Performance measures allow to track how well the goals and objectives defined in the Delta Plan are being achieved.

The performance measures allow to detect environmental or administrative changes due to implementation of policies and recommendations in the Delta Plan.

Helping an estimate and monitoring data, these measurable indicators are based on various targets and values defined to achieve the targets as well as baseline conditions against which to measure the progress.

Delta Plan performance measures allow the Delta Stewardship Council to "manage the overall and monitoring needs of the Delta ecosystem, manage management, and to track progress towards achieving the coequal goals."

The content and of performance measures was adopted by the Council in April 2014 and approved by the Delta Plan.

Delta Stewardship Council staff is reviewing additional and revised performance measures as part of the ongoing "Ecosystem Assessment project".

[View Appendix A of the Delta Plan](#)

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